

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number
WO 2005/059463 A2

(51) International Patent Classification⁷: **F27D 19/00**,
23/02, F27B 9/30

(74) Agent: MARTEGANI, Franco; Via Carlo Alberto 41,
I-20052 Monza (IT).

(21) International Application Number:
PCT/EP2004/014308

(22) International Filing Date:
14 December 2004 (14.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
MI2003A002504
18 December 2003 (18.12.2003) IT

(71) Applicant (for all designated States except US):
**TECHINT COMPAGNIA TECNICA INTER-
NAZIONALE S.P.A.** [IT/IT]; Via Monte Rosa, 93,
I-20149 Milan (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FILIPPI, Enrico**
[IT/IT]; Via Argonne 8, I-16145 Genova (IT). **PAS-
TORINI, Gabriele** [IT/IT]; Via F.lli Cervi 5, I-15077
Predosa (IT).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

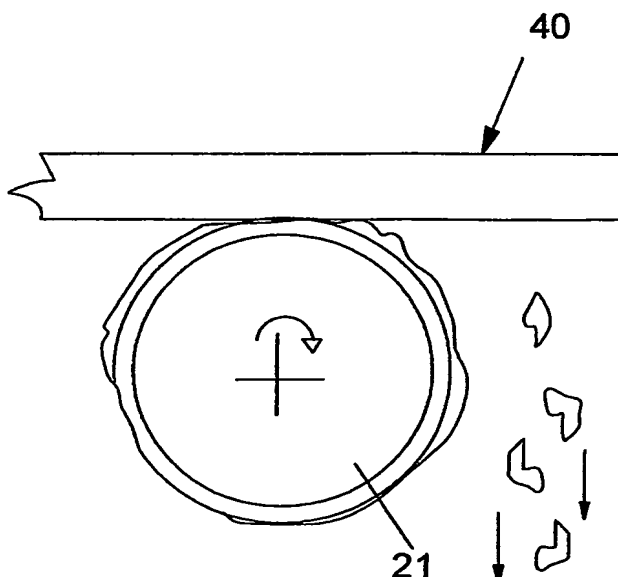
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: ROLLER CLEANING SYSTEM



(57) Abstract: A roller cleaning system (10) for an oven (20) equipped with a series of motorized rollers (21) each of which is in turn connected to a relative motor-reducer (24) for rotation activation, in turn connected to a relative frequency converter (25) driven by a respective control and activation device (26), said roller cleaning system (10) comprising a control and regulation unit (14) to independently control the rotation rate and direction of each roller of the series of motorized rollers (21) for the advancing of one or more flat blooms (40) and for cleaning at least one roller (34) causing the detachment of the flakes of oxide therefrom by scraping it against a flat bloom (40) with a variation in the rotation rate and/or direction of the same.